



F.02 Fireplace and hearth.

Description:
C17th Chilmark stone surround to herring-bone brick line hearth.

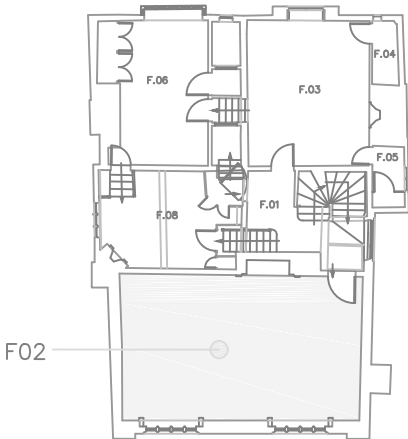
The burning hearth is also brick, containing a cast iron basket and fire-back.

The outer hearth is matching brick with a brick kerb.

- Proposed Works:
- Soot and tar staining to be removed using a proprietary poultice.
 - Once clean any repointing to be carried out with a 1:4 lime putty: whit fine sand mix.
 - The cast iron components to be wire brushed and given 2 coats of black heat-proof paint.
 - Soot staining on the mantle surround to be cleaned using a
 - Protect surrounding surfaces by laying plastic sheeting to contain soot debris and chemical runoff.
 - Remove all loose, surface-level soot to prevent smearing it deeper into the brick pores during wet cleaning.
 - Begin vacuuming with a soft brush attachment to gently pull the majority of the dry carbon particles off the brick face and mortar joints.

After vacuuming, use a specialized dry cleaning sponge to lift the next layer of residue. This sponge absorbs soot without water, preventing the oil-based stain from being driven deeper into the masonry.

- Wet Cleaning Methods for Embedded Soot
- Once the dry residue is removed, a wet cleaning process is required to dissolve the oily, embedded carbon stains. Begin with the mildest solution for light residues.
- Apply the solution with a brush or sponge, allow a dwell time of about 10 minutes to break down the grease, and then scrub gently.
- For moderate to heavy soot stains, a stronger alkaline degreaser like Trisodium Phosphate (TSP) is necessary to break the chemical bond between the carbon and the brick.
- Use a mix of eight tablespoons of TSP powder with one gallon of warm water. Apply this potent solution with a stiff-bristled brush, working it into the pores of the brick and mortar.
- Due to its chemical strength, it is essential to wear appropriate personal protective equipment and ensure excellent ventilation when using TSP.
- For extremely heavy or aged stains, use a greater concentration of TSP to water.
- On completion, thoroughly rinse with clean water immediately after scrubbing. to prevent chemical residue from remaining on the brick and causing discoloration or deterioration.



Title : **17 Cathedral Close Salisbury SP1 2EB**

Drawing : **Detail Specifications for repair works to:**

Mantle and Fire Place - F.02

Revisions : Rev Date

Scale : NTS
Drawn : CP
Date : December 2025

Drawing No.

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